

File 347:JAPIO Oct 1976-2003/Jun(Updated 031006)  
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File 350:Derwent WPIX 1963-2003/UD,UM &UP=200365  
(c) 2003 Thomson Derwent  
File 348:EUROPEAN PATENTS 1978-2003/Oct W01  
(c) 2003 European Patent Office  
File 349:PCT FULLTEXT 1979-2002/UB=20031009,UT=20031002  
(c) 2003 WIPO/Univentio

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Set	Items	Description
S1	5	AU='ABROL M':AU='ABROL MANI S'
S2	186	AU='JOHNSON B'
S3	22	AU='JOHNSON B M'
S4	18	AU='JOHNSON BRET'
S5	18	AU='JOHNSON BRET'
S6	2	AU='JOHNSON BRETT M'
S7	3	S1 AND S2:S6

? t7/9/1

7/9/1 (Item 1 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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014822068 \*\*Image available\*\*  
WPI Acc No: 2002-642774/200269  
XRPX Acc No: N02-508095

**Adaptive document ranking system for web-based searching, modifies  
determined feature vector associated with document based on user actions  
during search session so that document is ranked with respect to user  
actions**

Patent Assignee: ABROL M S (ABRO-I); JOHNSON B M (JOHN-I); VERITY INC  
(VERI-N)

Inventor: ABROL M S ; JOHNSON B M

Number of Countries: 099 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20020103798	A1	20020801	US 2001775715	A	20010201	200269 B
WO 200261628	A1	20020808	WO 2002US2717	A	20020129	200269

Priority Applications (No Type Date): US 2001775715 A 20010201

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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US 20020103798	A1		8	G06F-007/00	
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WO 200261628	A1	E		G06F-017/30	
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Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA  
CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN  
IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ  
OM PH PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZM  
ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR  
IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZM ZW

Abstract (Basic): US 20020103798 A1

NOVELTY - A determination module determines a feature vector  
associated with a document which indicates weights for certain terms  
appearing in the respective document. The determined feature vector is  
modified based on user actions during a search session so that the  
document is ranked in response to the user actions.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is included for  
document ranking method.

USE - For ranking documents based on user's behavior for web-based searching.

ADVANTAGE - Provides efficient and reliable adaptive document rank system based on user requirement.

DESCRIPTION OF DRAWING(S) - The figure shows a flowchart for the document search method. 8

pp; 8 DwgNo 3/6

Title Terms: ADAPT; DOCUMENT; RANK; SYSTEM; WEB; BASED; SEARCH; MODIFIED; DETERMINE; FEATURE; VECTOR; ASSOCIATE; DOCUMENT; BASED; USER; ACTION; SEARCH; SESSION; SO; DOCUMENT; RANK; RESPECT; USER; ACTION

Derwent Class: T01

International Patent Class (Main): G06F-007/00; G06F-017/30

File Segment: EPI

Manual Codes (EPI/S-X): T01-J03; T01-N01D2; T01-N02B2A; T01-N03A2

? t7/5/2-3

7/5/2 (Item 1 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

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01457121

AN ADAPTIVE DOCUMENT RANKING METHOD BASED ON USER BEHAVIOR

PROCEDE ADAPTATIF DE CLASSEMENT DE DOCUMENTS FONDE SUR LE COMPORTEMENT DES UTILISATEURS

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PATENT (CC, No, Kind, Date):

WO 2002061628 020808

APPLICATION (CC, No, Date): EP 2002703292 020129; WO 2002US2717 020129

PRIORITY (CC, No, Date): US 775715 010201

DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE; TR

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: G06F-017/30

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 021002 A1 International application. (Art. 158(1))

Application: 021002 A1 International application entering European phase

LANGUAGE (Publication,Procedural,Application): English; English; English

7/5/3 (Item 1 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00927550 \*\*Image available\*\*

AN ADAPTIVE DOCUMENT RANKING METHOD BASED ON USER BEHAVIOR

PROCEDE ADAPTATIF DE CLASSEMENT DE DOCUMENTS FONDE SUR LE COMPORTEMENT DES UTILISATEURS

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Patent and Priority Information (Country, Number, Date):  
Patent: WO 200261628 A1 20020808 (WO 0261628)  
Application: WO 2002US2717 20020129 (PCT/WO US0202717)  
Priority Application: US 2001775715 20010201  
Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU  
CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP  
KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO  
RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZM ZW  
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR  
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG  
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW  
(EA) AM AZ BY KG KZ MD RU TJ TM  
Main International Patent Class: G06F-017/30  
Publication Language: English  
Filing Language: English  
Fulltext Availability:  
Detailed Description  
Claims  
Fulltext Word Count: 4266

#### English Abstract

A user behavior based document ranking system may include a search server computer (22) that is connected by a computer network (24) to one or more web sites (26) including WS1,...WSn. The server computer (22) may include one or more central processing units (30) that control the operation of the computer, a persistent storage device (32) that maintains data even when the power is turned off to the computer and a temporary memory (34). The memory (34) is loaded with a particular software application such as the search engine (36). The user computer (28) may include a display device (40), a chassis (42), a keyboard (44), a mouse (46). The chassis (42) may include a central processing unit (48), persistent storage device (40), and a memory (52). A method permits prior user behavior associated with a document to affect the future ranking of that document.

#### French Abstract

L'invention concerne un systeme de classement de documents fonde sur le comportement d'un utilisateur pouvant comprendre un ordinateur serveur de recherche (22) lequel est connecte par l'intermediaire d'un reseau informatique (24) a un ou plusieurs sites webs (26), a savoir WS1,...WSn. L'ordinateur serveur (22) comprend une ou plusieurs unites centrale de traitement (30) qui commande(nt) le fonctionnement de l'ordinateur, un dispositif de stockage permanent (32) qui conserve des donnees meme lorsque l'ordinateur est mis hors tension et une memoire temporaire (34). La memoire (34) est chargee au moyen d'une application logicielle particuliere tel que celle basee sur un moteur de recherche (36). L'ordinateur utilisateur (28) comprend un dispositif d'affichage (40), un chassis (42), un clavier (44), une souris (46). Le chassis (42) comprend une unite centrale de traitement (48), un dispositif de stockage permanent (40), et une memoire (52). L'invention concerne egalement un procede permettant au comportement d'un utilisateur anterieur associe a un document d'affecter le classement futur de ce document.

Legal Status (Type, Date, Text)

Publication 20020808 A1 With international search report.

Examination 20021017 Request for preliminary examination prior to end of  
19th month from priority date